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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	See Notification Preliminary Ex	n of Transmittal of International amination Report (Form PCT/IPEA/416)		
010427WO International application No.	International filing date (day/mor	nth/year)	Priority date (day/month/year)		
			27 September 2001 (27.09.2001)		
PCT/US02/30386 International Patent Classification (IPC)	T/US02/30386 24 September 2002 (24.09.2002) 27 September 2001 (27.09.2001)  ernational Patent Classification (IPC) or national classification and IPC				
IPC(7): H04Q 7/20 and US C1.: 455/436					
Applicant					
QUALCOMM, INCORPORATED					
Examining Authority and	nary examination report has be is transmitted to the applicant a	according to Ar	icle 36.		
2. This REPORT consists of a total of sheets, including this cover sheet.					
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of	a total of sheets.				
3. This report contains indic	cations relating to the following	items:			
I Basis of the re	port				
II Priority					
III Non-establishn	nent of report with regard to no	ovelty, inventive	step and industrial applicability		
IV Lack of unity of	of invention				
V Reasoned state applicability; o	ement under Article 35(2) with citations and explanations support	regard to novel orting such state	y, inventive step or industrial ment		
VI Certain docum	nents cited				
VII Certain defects	s in the international application	n			
VIII Certain observ	vations on the international appl	lication			
Date of submission of the demand	Dat	te of completion	of this report		
09 April 2003 (09.04.2003)		January 2004 (07			
Name and mailing address of the IPEA	A/US Aut	thorized officer	· Yosar		
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents	Yu	iwen Pan	Wellanda Joya		
P.O. Box 1450 Alexandria, Virginia 22313-145	0 Tel	ephone No.	806- <b>9</b> 377		
Facsimile No. (703)305-3230 Form PCT/IPEA/409 (cover sheet)(July	/ 1998)		Ugenia Logar 806-1877		

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	_
PCT/US02/30386	

ι.	Basis of the report	
1.	With regard to the elements of the international application:*	
	the international application as originally filed.	
	the description:  pages 1-16 as originally filed pages NONE , filed with the demand pages NONE , filed with the letter of	
	the claims:  pages 17-22 , as originally filed pages NONE , as amended (together with any statement) under Article 19 pages NONE , filed with the demand pages NONE , filed with the letter of  the drawings: pages 1-3 , as originally filed pages NONE , filed with the demand pages NONE , filed with the demand pages NONE , filed with the letter of	
2	the sequence listing part of the description:  pages NONE, as originally filed pages NONE, filed with the demand pages NONE, filed with the letter of  With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.	
	These elements were available or furnished to this Authority in the following language which is:  the language of a translation furnished for the purposes of international search (under Rule23.1(b)).  the language of publication of the international application (under Rule 48.3(b)).  the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).	
9.	<ol> <li>With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:</li> </ol>	
	contained in the international application in printed form.	
	filed together with the international application in computer readable form.	
	furnished subsequently to this Authority in written form.	-
	furnished subsequently to this Authority in computer readable form.	
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.	
	The statement that the information recorded in computer readable form is identical to the written sequence listin has been furnished.	ıg
١	4. The amendments have resulted in the cancellation of:	
	the claims, Nos. NONE the drawings, sheets/fig NONE  This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	
	* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).  ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.	

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US02/30386

Novelty (N)	Claims 2-20	YES
Novelty (N)	Claims 1	>T^
		YES
Inventive Step (IS)	Claims NONE	NO
	Claims 1-20	
Industrial Applicability (IA)	Claims 1-20	
memory or physical (	Claims NONE	NO
communication receiver comprising: A receiver portion (see figure 2 and item 1 and lines 44-57); A low pass filter (see figure 2 and item 30 (see column 6 and line 47- column 7 and line 9) A processor for processing said base band frequency Claims 3,6,9-11,13-15,17-19,20 are an im discloses a method in a communication system compown converting a received signal to proclimes 44-57); Processing said on-channel received sample column 9 and line 4) Proeessing said out-of-channel received sample twould have been obvious to one ordinared Horner's method such that position of selective base Claims 2,4,5,7,8,12,16 are an inventive selective desmit the selective desmit disclose a low noise amplifier line 24-page 7 and line 15).  It would have been obvious to one ordinared between the selective based the selective with Horner's system such that received Horner doesn't disclose said receiver backets.	ventive step under PCT Article 33(3) as being prising: the on-channel and out-of-channel received so the to decode on channel information (see figurable to determined a link quality (pilot signly skill in the art at the time the invention was estation is determined for better hard handoff the tep under PCT Article 33(3) as being obvious 85A).  If the for amplifying said received signal for profer amplifying said received signal for processing the process of the proce	ase band frequency (see column 3 duce on-channel received samples (see column 4 and lines 48-62)  gobvious over Homer. Homer amples (see figure 2, column 3 and are 2, 3e-31, column 7 and line 59-al, see column 2 and lines 43-45) and to utilize GPS system with cocess in said receiver.  gover Homer et al in view of cocess in said receiver (see page 6 and as made to combine the teaching of the processing.

Form PCT/IPEA/409 (Box V) (July 1998)